

CBE Course Names and Numbers – Undergraduate

UG CORE COURSES

CBEMS Course No.	New CBE Course No.	Previous Name	New Name
45A	40A	Chemical Processing and Materials Balances	Chemical Processes and Material Balances
45B	40B	Chemical Processing and Energy Balances	Process Thermodynamics
45C	40C	Chemical Engineering Thermodynamics	Chemical Engineering Thermodynamics
128	100	Introduction to Numerical Methods in Engineering	Introduction to Numerical Methods in Engineering
110	110	Reaction Kinetics and Reactor Design	Reaction Kinetics and Reactor Design
125A	120A	Momentum Transfer	Momentum Transfer
125B	120B	Heat Transfer	Heat Transfer
125C	120C	Mass Transfer	Mass Transfer
130	130	Separation Processes	Separation Processes
140A	140A	Chemical Engineering Laboratory I	Chemical Engineering Laboratory I
140B	140B	Chemical Engineering Laboratory II	Chemical Engineering Laboratory II
135	145	Chemical Process Control	Chemical Process Control
149A	150A	Chemical Engineering Design I	Chemical Engineering Design I
149B	150B	Chemical Engineering Design II	Chemical Engineering Design II

UG ELECTIVE COURSES

CBEMS Course No.	New CBE Course No.	Previous Name	New Name
<i>160-169: Biomolecular Engineering Electives</i>			
195	160	Engineering Biology	Engineering Biology
112	161	Introduction to Biochemical Engineering	Introduction to Biochemical Engineering
115	163	Kinetics of Biochemical Networks	Kinetics of Biochemical Networks
<i>170-179: Energy-Related Electives</i>			
133	176	Nuclear and Radiochemistry	Nuclear and Radiochemistry
143	178	Chemistry and Technology for the Nuclear Fuel Cycle	Chemistry and Technology for the Nuclear Fuel Cycle
<i>180-189: Soft Matter and Materials Electives</i>			
154	181	Polymer Science and Engineering	Polymer Science and Engineering
176	183	Surface and Adhesion Science	Surface and Adhesion Science
174	187	Semiconductor Device Packaging	Semiconductor Device Packaging

190-199: New Classes, Research, etc.